

# **ELECTRON BEAM POSITION REFERENCE SYSTEM**

## **Abstract**

A system for supporting and adjusting the position of an object in a vacuum includes inner and outer support rings that are connected by flexible mounts that are compliant along one axis and stiff along other axes, and drivers extending through the wall of the vacuum chamber that move the supports independently along their respective axes. At least the inner support is clamped after adjustment by a clamp that exerts a strong clamping pressure while exerting transverse force only less than a threshold selected to avoid motion after adjustment.